



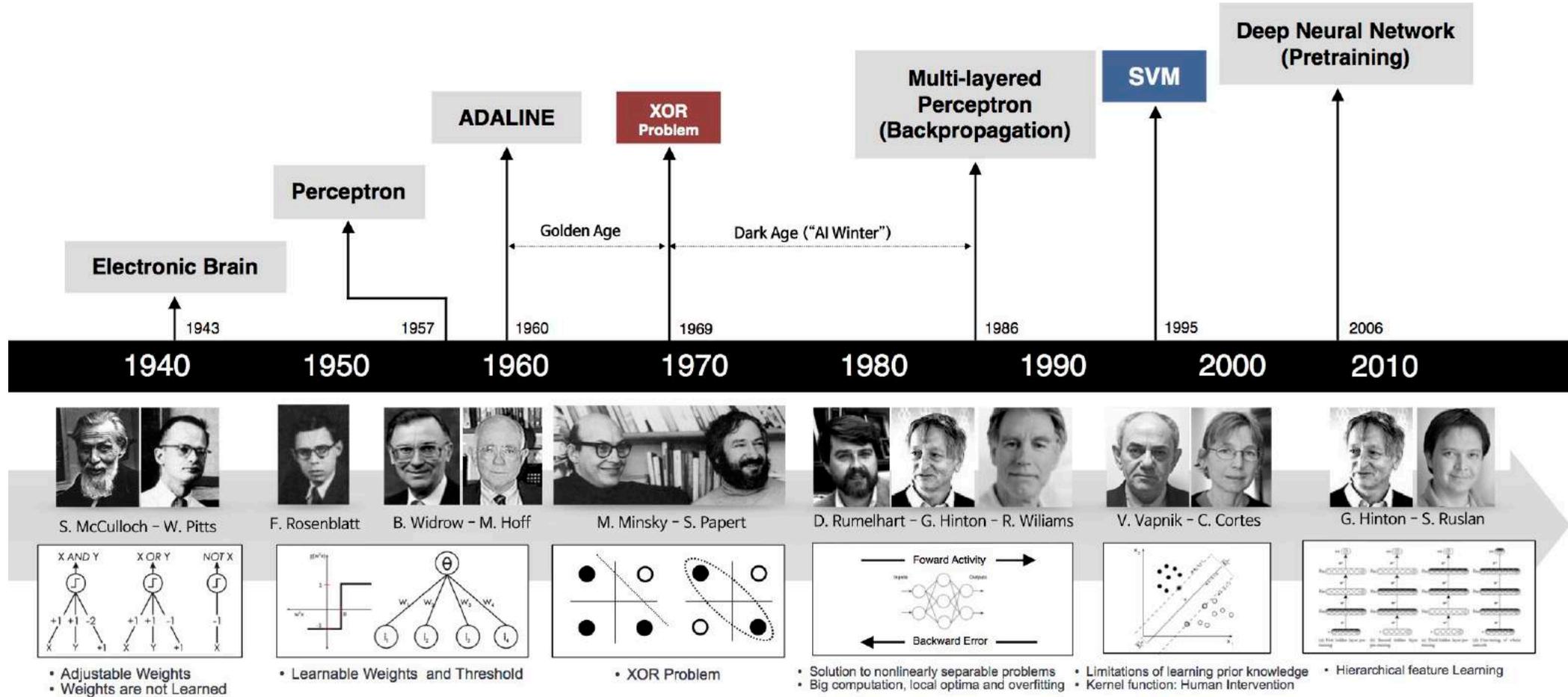
ธุรกิจใหม่กับแนวโน้มความต้องการ

ใช้เทคโนโลยี AI

Panachit Kittipanya-ngam, PhD

CEO, AccRevo

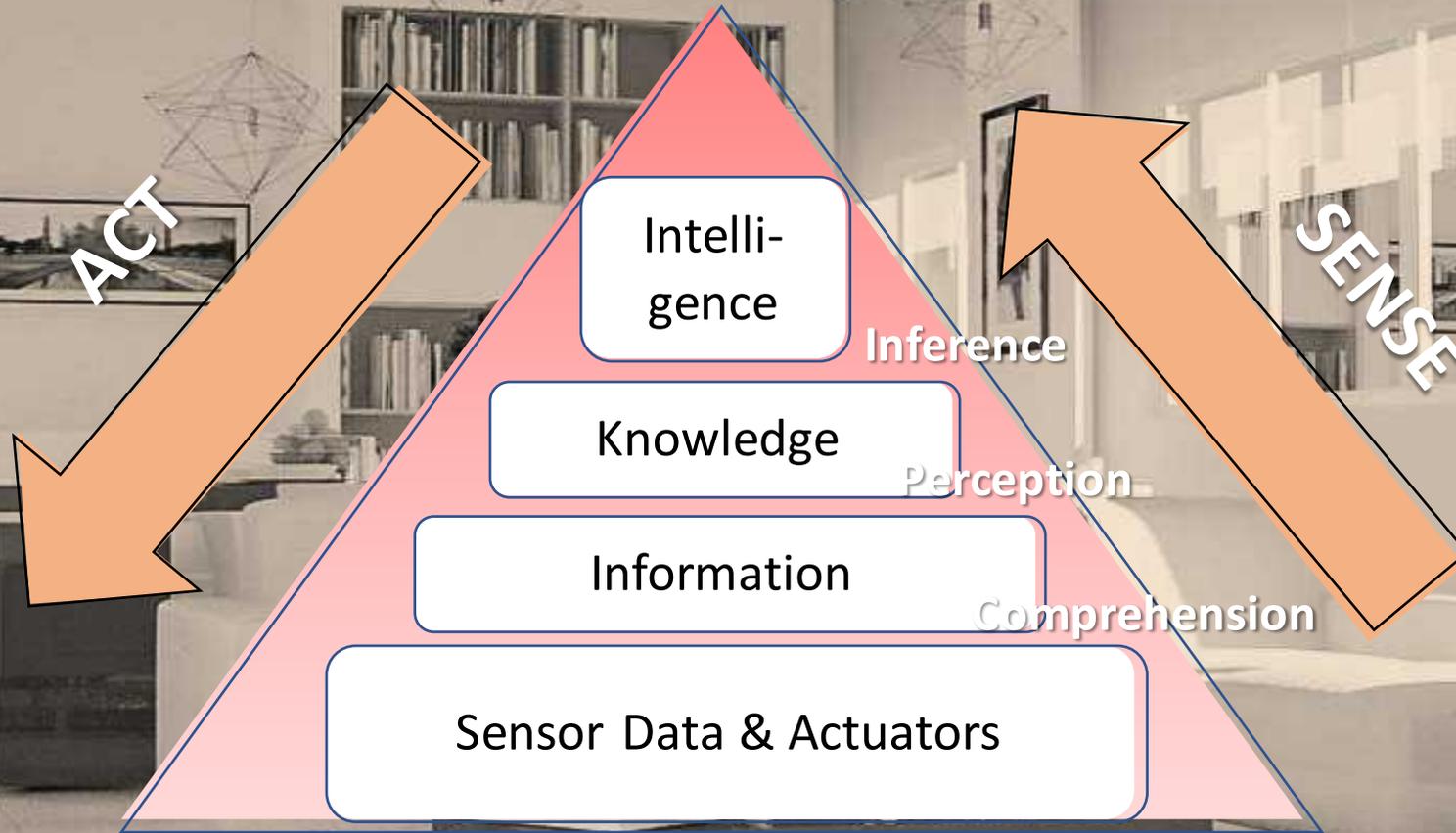
A Brief History of Neural Network



Source: DEVIEW2015 : implementing deep learning using cu dnn

https://www.slideshare.net/mobile/deview/251-implementing-deep-learning-using-cu-dnn?from_m_app=ios

SMART



MAKE A SENSE OUT OF THE RAW DATA

TRIGGERS

A night cityscape with a prominent skyscraper on the right and light trails from a highway interchange in the foreground. The sky is dark blue with some clouds. The text 'TRIGGERS' is overlaid in a large, orange-outlined font at the top.

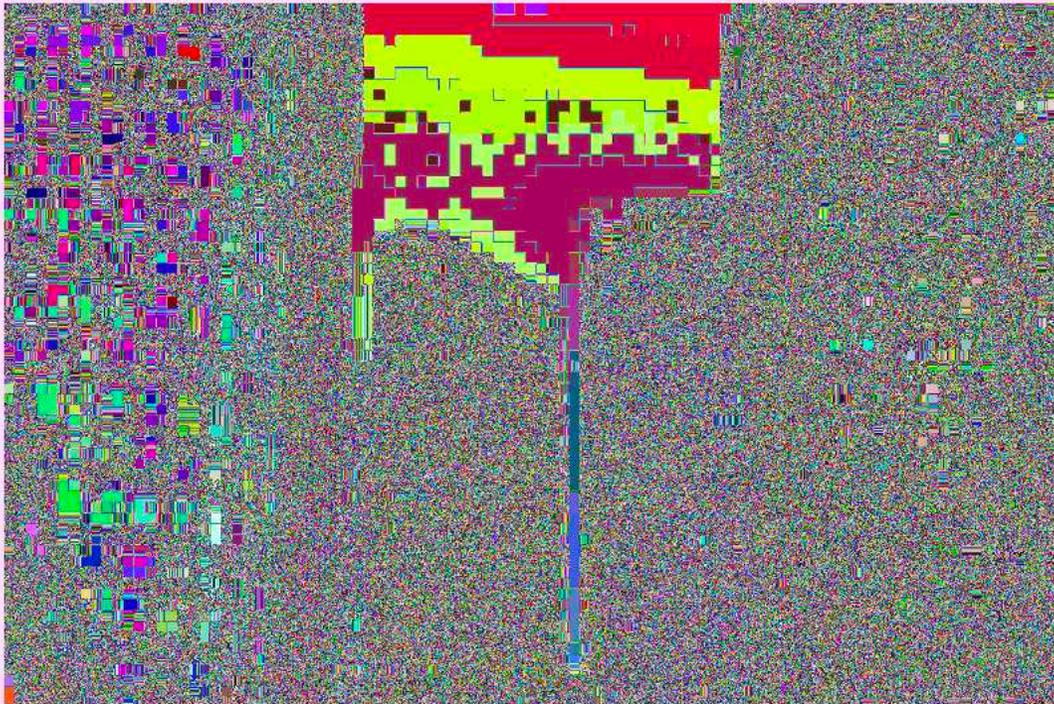
Deep Learning
Telecommunication
Internet of Things

An aerial photograph of New York City at sunset, with a digital overlay of a cityscape above it. A hot air balloon is visible in the sky on the right. The sun is on the left, creating a bright glow and lens flare.

DIGITAL
PHYSICAL

KPMG: VC investment into AI and ML doubled to \$12bn in 2017

By JONATHAN DYBLE • Jan 19, 2018, 8:24AM



Of VC investment in 2017 of
\$155bn.

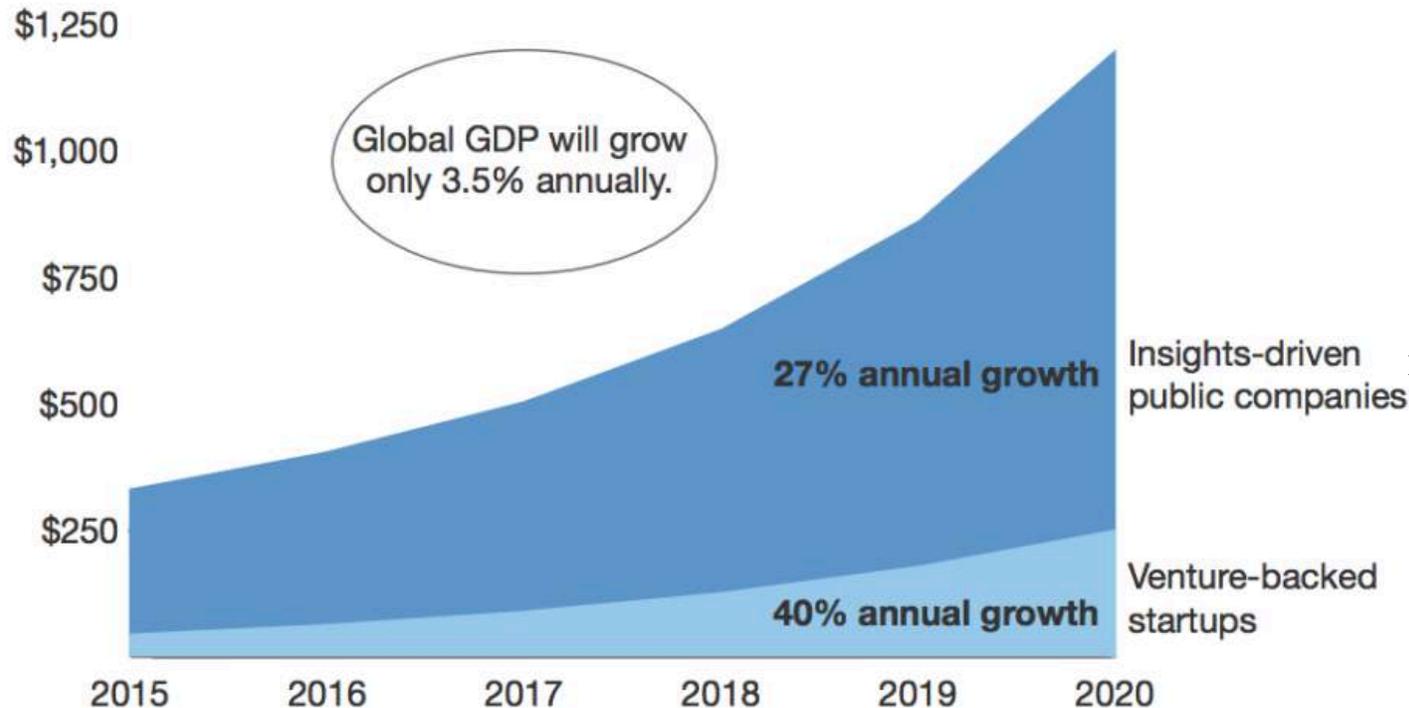
Artificial intelligence (AI)
and machine learning (ML)

\$6bn in 2016

\$12bn in 2017

Market Value Forecast

Revenue forecast of insights-driven businesses (\$ billions)



\$36.8 bn in 2025

Tractica defines AI as an information system that is inspired by a biological system designed to give computers the human-like abilities of hearing, seeing, reasoning, and learning. AI has applications and use cases in almost every industry vertical and is considered the next big technological shift.

Note: The data point for public companies in 2015 is actual revenue; all other data points shown are estimates or projected figures.

Source: Economic Intelligence Unit, Morningstar, and PitchBook Data

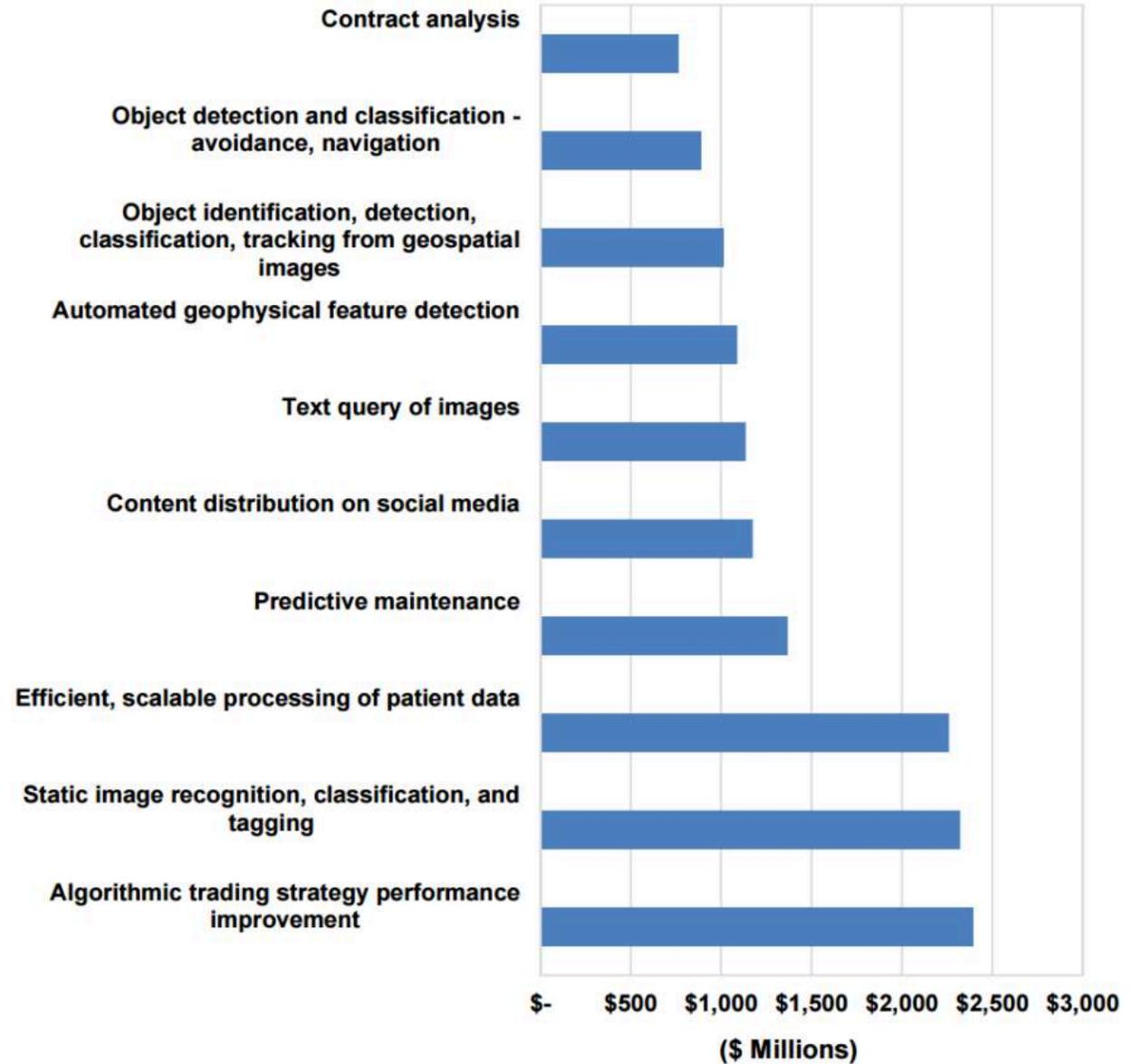
Out of the top 10 use cases,

60% of the use cases are related to big data

40% are related to image or object recognition,

which is a good high-level characterization of how the market is expected to shape up.

Chart 1.2 Artificial Intelligence Revenue, Top 10 Use Cases, World Markets: 2025



(Source: Tractica)

Why do we need AI?

Increase Productivity

ทดสอบประสิทธิภาพการพัฒนาจาก



174 Transactions
อ้างอิงจากบริษัท AAA จำกัด (นามสมมติ)

Traditional Process



40 Hours Recording

Bookkeeper cost ~ xxxbaht

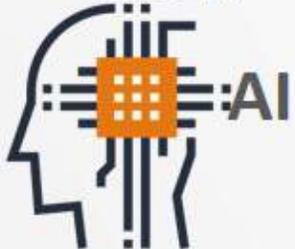
REVO **Process**

2016



16 Hours Recording

2017



4 Hours Recording

**AI Improvement decreases bookkeeping time up to xx%*

Managing Business Cost

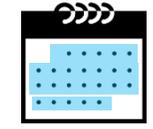
Original : CURRENT ACCOUNTING COMPANY WORKFLOW



เริ่มต้นที่ 3,000 บาท ขึ้นไป (Exclude Software)



หลังจากส่งเอกสารประมาณ 1 เดือน



สูงกว่า

Yearly Report
Loads of Accounting Document



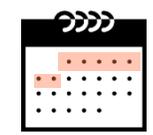
New : AccRevo BOOKKEEPING AND E-WORKFLOW



เริ่มต้นที่ 3,000 บาท (Include Software)



หลังจากส่งเอกสารประมาณ 1 สัปดาห์



ต่ำกว่า

Monthly Report
Fully Digital (Paperless)



Scalable Operations



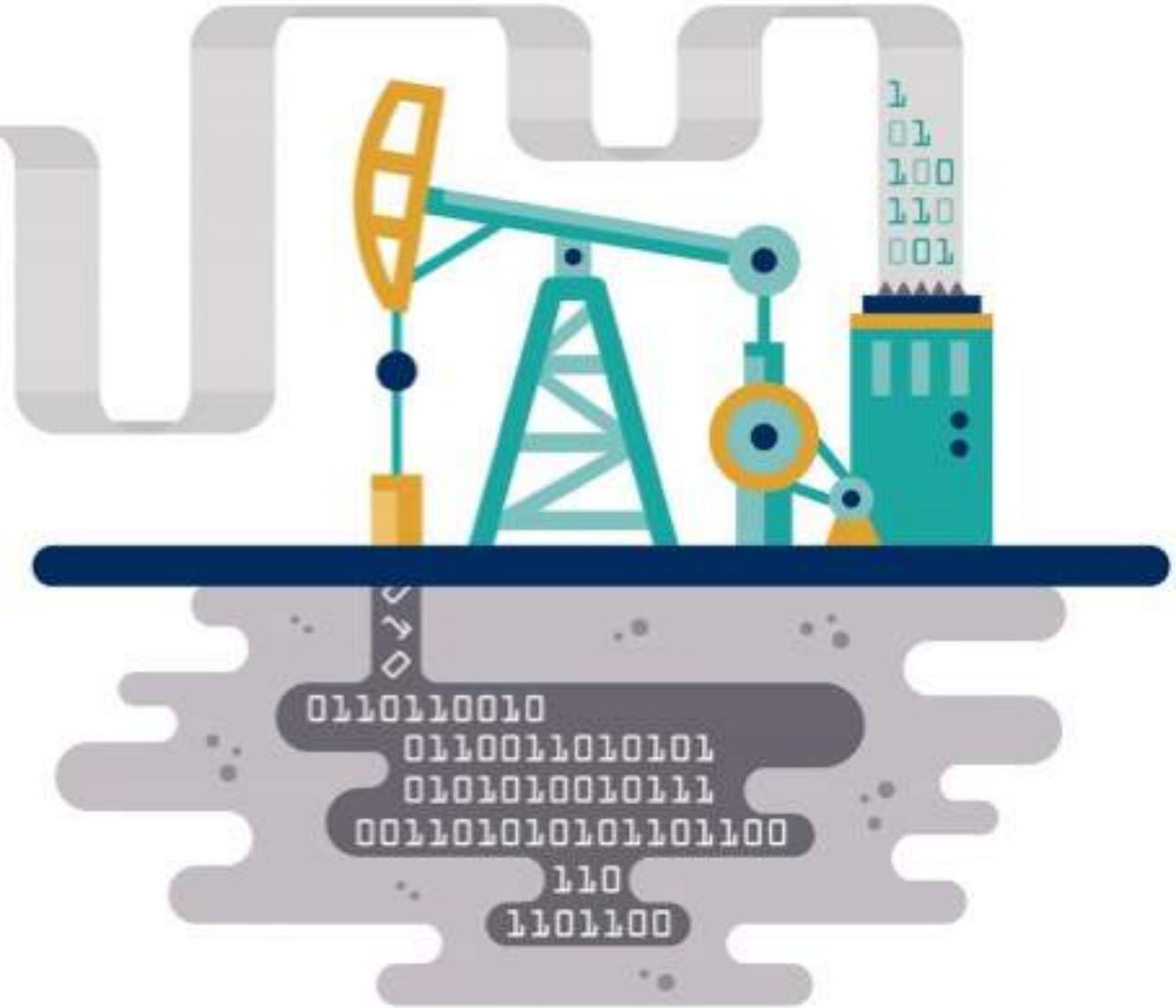
Why do we need AI?

- Increase **Productivity**
- Managing **Business Cost**
- New **Revenue Opportunities**
- **Scalable Operations**



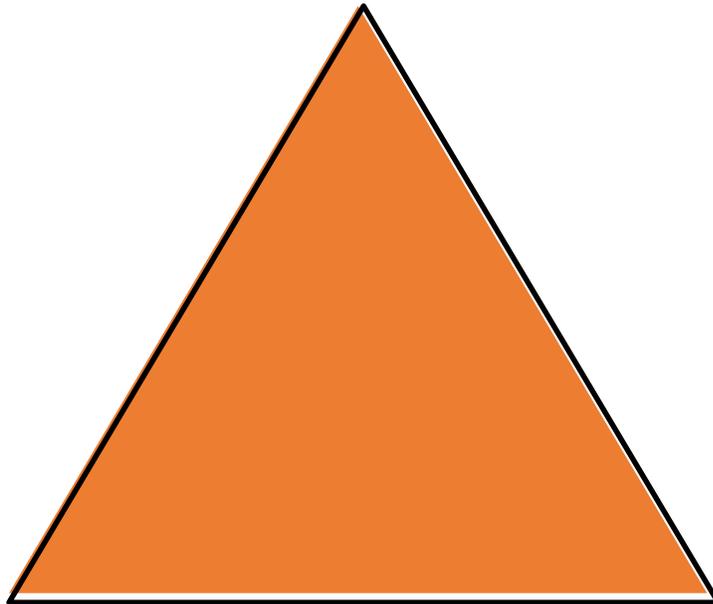
DATA is

NEW OIL



Employment Change

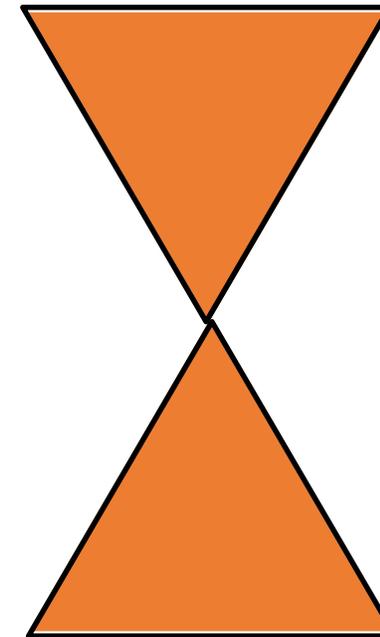
**High-income
(Management)**



**Low-income Labour
(Operation)**



**High-income Wisdom Worker
(Analyzing data)**



**Low-income Labour
(Input data)**

Agriculture



Chatbot



Cognitive Computation



Data Analytics



Financial



Education



Internet of Things

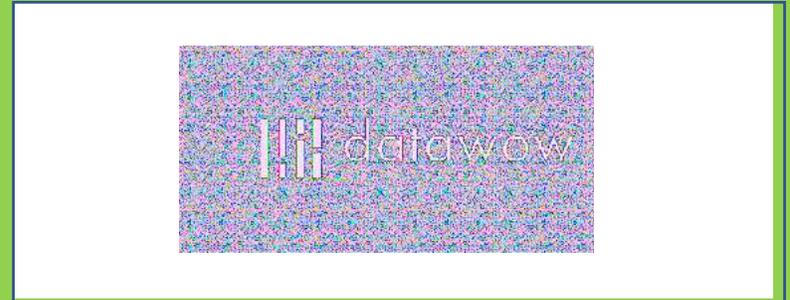
Technimal.
Making Technology Alive

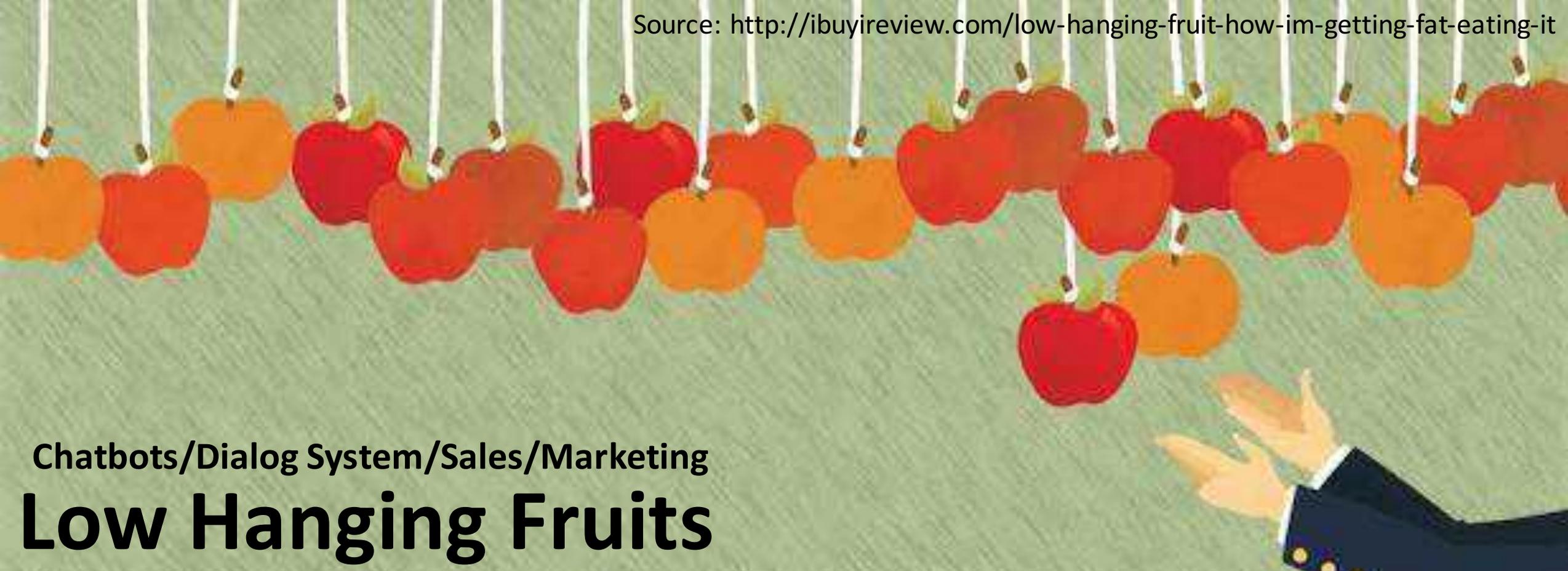


Marketing



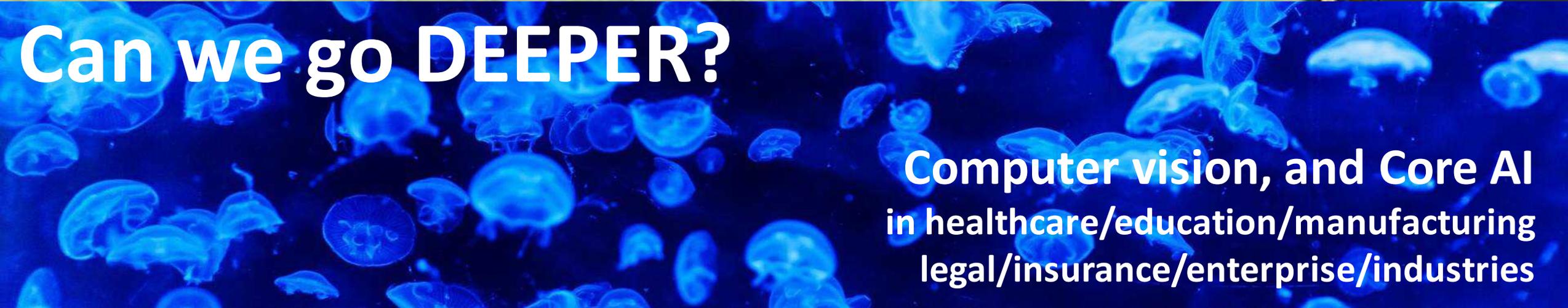
Machine Vision





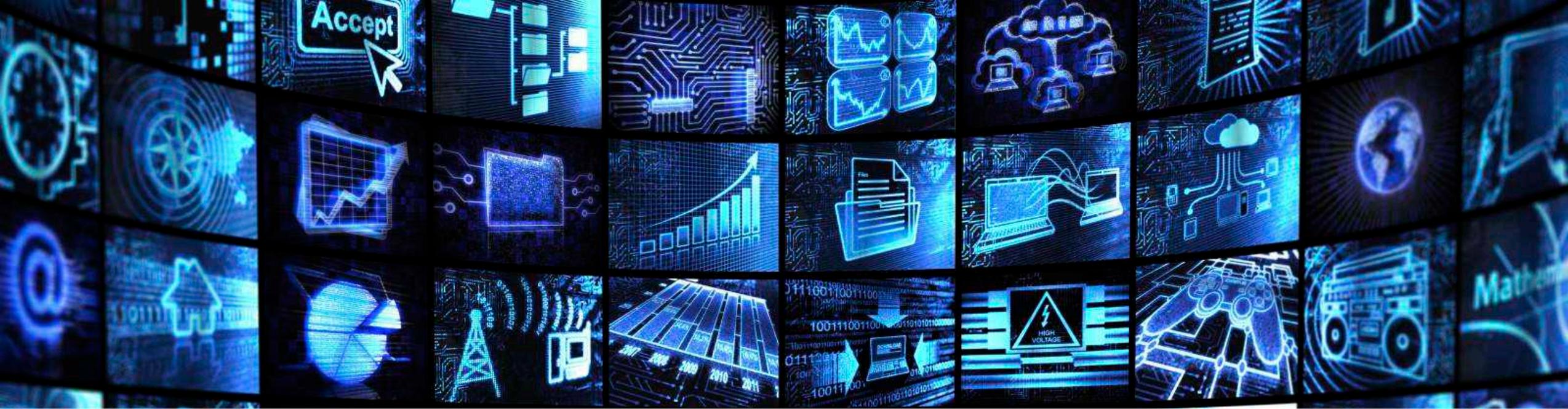
Chatbots/Dialog System/Sales/Marketing

Low Hanging Fruits



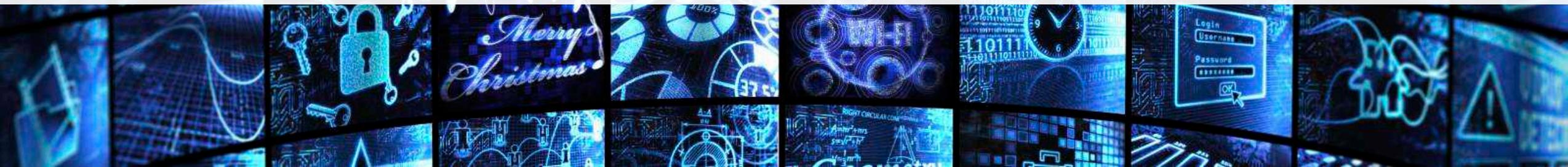
Can we go DEEPER?

Computer vision, and Core AI
in healthcare/education/manufacturing
legal/insurance/enterprise/industries



+ IOT + AI + Blockchain

The 5G Infrastructure Public Private Partnership



The next **TRIGGER** could be







THANK YOU

- We see this daily in our Asgard deal flow. Currently, most AI startups are solving “low-hanging fruit” problems in communication (an army of chatbots and dialog systems), sales, and marketing. Those are the three main verticals globally, and no country is out of the norm.
- We’re happy to see that healthcare, computer vision, and core AI are also strong verticals for applied AI.
- However, we’re mildly disappointed to discover a lack of AI companies for manufacturing, education, and disruption of legal/insurance/enterprise industries. We hope to see our generation of entrepreneurs moving past easier projects to tackle complex (and more important) challenges

Outline

- Trigger: Digital/Communication/Deep Learning
- Digital Age
- AI is getting a lot of attentions and investment
- Why do we need to go digital?
- AI ecosystem
- Startup Ecosystem
- Replacing human?
- Find your value!